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Method and arrangement for the metrological detection of the differences in the visually perceived color impression between a multi-color patterned surface of a reference and a multi-color patterned surface of a test item

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Abstract

5 There is described a method and an arrangement for the metrological detection of the differences in the visually perceived color impression between a multi-color patterned surface (10) of a reference and a multi-color patterned surface (12) of a test item. Concomitantly changes in the color statistics and in other color variation rates of the test item compared to a reference, and changes in the picture definition 10 of the pattern of the test item compared to the reference, are determined by means of spatial sensors (24) provided with color capability, such as color picture cameras and displayed. According to the invention, a common variation rate for the visually perceived color variation of multi-color patterned surfaces with references is established by a combination of the two variations.

15 Fig. 3